

What is claimed is:

- 1 An internet telephone apparatus that transmits and
receives a call data through an internet, comprising a
5 switching controller for controlling and switching a
protocol of a data transfer responding to a congestion
situation of said internet.
- 2 The internet telephone apparatus according to claim 1,
10 wherein said switching controller is a controller for
switching to a connectionless protocol when said internet
is in a congestion situation below a threshold and for
switching to a connection protocol when said internet
exceeds said threshold.
- 15 3 The internet telephone apparatus according to claim 2,
wherein said connectionless protocol is a UDP (User
Datagram Protocol) and said connection protocol is a TCP
(Transmission Control Protocol).
- 20 4 The internet telephone apparatus according to claim 1,
wherein a receiver for receiving and processing a data
received through said internet is included and said
switching controller detects a congestion situation of
25 said internet based on a receiving situation of said

receiver.

5 The internet telephone apparatus according to claim 4,
wherein said switching controller includes a controller
5 for detecting said congestion situation based on a CRC
(Cyclic Redundancy Check) error frequency.

6 The internet telephone apparatus according to claim 1,
wherein a voice compressor for compressing said call data
10 is included and a compressed voice data is adapted to be
delivered to said switching controller.

7 The internet telephone apparatus according to claim 6,
wherein an image compressor for compressing an image data
15 in addition to said call data is included and a compressed
image data is adapted to be delivered to said switching
controller together with said compressed voice data.

8 The internet telephone apparatus according to claim 7,
20 wherein said receiver includes an expander for expanding
said compressed data of said voice and image and said
switching controller includes a controller for detecting
said congestion situation responding to a processing error
of expanding and decoding by said expander.